

Marialuigia Raimondo

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,433
citations

136885

32
h-index

206029

48
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75
all docs

75
docs citations

75
times ranked

2032
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-mechanical properties and electrical mapping of nanoscale domains of carbon-based structural resins. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5473-5481.	2.0	4
2	Design of self-healing biodegradable polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5463-5472.	2.0	7
3	High-Performance Properties of an Aerospace Epoxy Resin Loaded with Carbon Nanofibers and Glycidyl Polyhedral Oligomeric Silsesquioxane. <i>Aerospace</i> , 2022, 9, 222.	1.1	10
4	Electrospun Membranes Designed for Burst Release of New Gold-Complexes Inducing Apoptosis of Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7147.	1.8	10
5	Functional structural nanocomposites with integrated self-healing ability. <i>Materials Today: Proceedings</i> , 2021, 34, 243-249.	0.9	14
6	Graphene/epoxy resins: Rheological behavior and morphological analysis by Atomic Force Microscopy (AFM). <i>Materials Today: Proceedings</i> , 2021, 34, 160-163.	0.9	6
7	Electrical behavior at nanometer scale of functionalized graphene-based structural resins. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1
8	Tunneling Atomic Force Microscopy Analysis of Supramolecular Self-Responsive Nanocomposites. <i>Polymers</i> , 2021, 13, 1401.	2.0	11
9	Eco-friendly polymer nanocomposites designed for self-healing applications. <i>Polymer</i> , 2021, 223, 123718.	1.8	18
10	Flexible eco-friendly multilayer film heaters. <i>Composites Part B: Engineering</i> , 2021, 224, 109208.	5.9	16
11	Encapsulation of health-monitoring agent in poly-methyl-methacrylate microcapsules using supercritical emulsion extraction. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 287-299.	2.9	11
12	Rheological and Morphological Properties of Non-Covalently Functionalized Graphene-Based Structural Epoxy Resins with Intrinsic Electrical Conductivity and Thermal Stability. <i>Nanomaterials</i> , 2020, 10, 1310.	1.9	19
13	Development and characterization of antitumoral electrospun polycaprolactone/functionalized Fe ₃ O ₄ hybrid membranes. <i>Materials Today Chemistry</i> , 2020, 17, 100309.	1.7	21
14	Multifunctionality of structural nanohybrids: the crucial role of carbon nanotube covalent and non-covalent functionalization in enabling high thermal, mechanical and self-healing performance. <i>Nanotechnology</i> , 2020, 31, 225708.	1.3	41
15	Self-Healing Mechanisms in Multifunctional Structural Materials. , 2020, , 277-302.		1
16	Investigation of Electrical Properties of Graphene-Based Nanocomposites Supported by Tunnelling AFM (TUNA). <i>Lecture Notes in Electrical Engineering</i> , 2020, , 375-387.	0.3	0
17	Self-healing epoxy nanocomposites via reversible hydrogen bonding. <i>Composites Part B: Engineering</i> , 2019, 157, 1-13.	5.9	103
18	Carbon-Based Aeronautical Epoxy Nanocomposites: Effectiveness of Atomic Force Microscopy (AFM) in Investigating the Dispersion of Different Carbonaceous Nanoparticles. <i>Polymers</i> , 2019, 11, 832.	2.0	16

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19	Reversible Self-Healing Carbon-Based Nanocomposites for Structural Applications. <i>Polymers</i> , 2019, 11, 903.	2.0	58
20	UV Irradiated Graphene-Based Nanocomposites: Change in the Mechanical Properties by Local HarmoniX Atomic Force Microscopy Detection. <i>Materials</i> , 2019, 12, 962.	1.3	10
21	Electrical Current Map and Bulk Conductivity of Carbon Fiber-Reinforced Nanocomposites. <i>Polymers</i> , 2019, 11, 1865.	2.0	17
22	Effect of functionalized carbon nanofillers on the rheological behavior of structural epoxy resins. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
23	A critical assessment of multifunctional polymers with regard to their potential use in structural applications. <i>Composites Part B: Engineering</i> , 2019, 157, 150-162.	5.9	13
24	Morphological, rheological and electrical properties of composites filled with carbon nanotubes functionalized with 1-pyrenebutyric acid. <i>Composites Part B: Engineering</i> , 2018, 147, 12-21.	5.9	51
25	Electrical conductivity of carbon nanofiber reinforced resins: Potentiality of Tunneling Atomic Force Microscopy (TUNA) technique. <i>Composites Part B: Engineering</i> , 2018, 143, 148-160.	5.9	47
26	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. <i>Composites Part B: Engineering</i> , 2018, 140, 44-56.	5.9	98
27	Development of aeronautical epoxy nanocomposites having an integrated selfhealing ability. <i>MATEC Web of Conferences</i> , 2018, 233, 00021.	0.1	3
28	Nanocomposites conductivity point measurement using Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018, 233, 00022.	0.1	0
29	Electrical characterization of aeronautical nanocomposites supported by Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018, 233, 00023.	0.1	0
30	Design of self-healing catalysts for aircraft application. <i>International Journal of Structural Integrity</i> , 2018, 9, 723-736.	1.8	6
31	Influence of carbon nanoparticles/epoxy matrix interaction on mechanical, electrical and transport properties of structural advanced materials. <i>Nanotechnology</i> , 2017, 28, 094001.	1.3	72
32	Transport and field emission properties of buckypapers obtained from aligned carbon nanotubes. <i>Journal of Materials Science</i> , 2017, 52, 6459-6468.	1.7	34
33	Protection of graphene supported ROMP catalyst through polymeric globular shell in self-healing materials. <i>Composites Part B: Engineering</i> , 2017, 116, 352-360.	5.9	22
34	Development of self-healing multifunctional materials. <i>Composites Part B: Engineering</i> , 2017, 128, 30-38.	5.9	58
35	Development of a new stable ruthenium initiator suitably designed for self-repairing applications in high reactive environments. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 234-251.	2.9	28
36	New structure of diamine curing agent for epoxy resins with self-restoration ability: Synthesis and spectroscopy characterization. <i>Journal of Molecular Structure</i> , 2017, 1130, 400-407.	1.8	13

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37	Evaluation of the Mechanical Properties of Microcapsule-Based Self-Healing Composites. International Journal of Aerospace Engineering, 2016, 2016, 1-10.	0.5	13
38	Rheological and morphological properties of graphene-epoxy nanocomposites. AIP Conference Proceedings, 2016, , .	0.3	3
39	Analysis of the Effects of Hydrotalcite Inclusion on the Temperature-Sensing Properties of CNT-Epoxy Nanocomposites. IEEE Sensors Journal, 2016, 16, 7977-7985.	2.4	7
40	Self-repairing CFRPs targeted towards structural aerospace applications. International Journal of Structural Integrity, 2016, 7, 656-670.	1.8	34
41	Morphological and electrical characterization of epoxy resin filled with exfoliated graphite. , 2015, , .		1
42	Effective formulation and processing of nanofilled carbon fiber reinforced composites. RSC Advances, 2015, 5, 6033-6042.	1.7	62
43	Relationships between nanofiller morphology and viscoelastic properties in CNF/epoxy resins. Polymer Composites, 2015, 36, 1152-1160.	2.3	44
44	Effect of incorporation of POSS compounds and phosphorous hardeners on thermal and fire resistance of nanofilled aeronautic resins. RSC Advances, 2015, 5, 10974-10986.	1.7	72
45	Graphene-based structural adhesive to enhance adhesion performance. RSC Advances, 2015, 5, 27874-27886.	1.7	67
46	Synthesis of ruthenium catalysts functionalized graphene oxide for self-healing applications. Polymer, 2015, 69, 330-342.	1.8	33
47	Correlation between electrical conductivity and manufacturing processes of nanofilled carbon fiber reinforced composites. Composites Part B: Engineering, 2015, 80, 7-14.	5.9	60
48	Optimization of graphene-based materials outperforming host epoxy matrices. RSC Advances, 2015, 5, 36969-36978.	1.7	71
49	Influence of carbon nanofillers on the curing kinetics of epoxy-amine resin. RSC Advances, 2015, 5, 90437-90450.	1.7	49
50	The effect of filler aspect ratio on the electromagnetic properties of carbon-nanofibers reinforced composites. Journal of Applied Physics, 2015, 118, .	1.1	23
51	Healing agent for the activation of self-healing function at low temperature. Advanced Composite Materials, 2015, 24, 519-529.	1.0	35
52	Enhanced electrical properties of carbon fiber reinforced composites obtained by an effective infusion process. , 2014, , .		4
53	Temperature effects on the electrical properties of multiphase polymer composites. , 2014, , .		0
54	Influence of nanofiller morphology on the viscoelastic properties of CNF/epoxy resins. AIP Conference Proceedings, 2014, , .	0.3	15

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55	Development of epoxy mixtures for application in aeronautics and aerospace. RSC Advances, 2014, 4, 15474-15488.	1.7	133
56	Healing efficiency and dynamic mechanical properties of self-healing epoxy systems. Smart Materials and Structures, 2014, 23, 045001.	1.8	65
57	Nanofilled epoxy adhesive for structural aeronautic materials. Composites Part B: Engineering, 2014, 61, 73-83.	5.9	85
58	Self-healing materials for structural applications. Polymer Engineering and Science, 2014, 54, 777-784.	1.5	52
59	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. Nanotechnology, 2013, 24, 305704.	1.3	97
60	Improvement of the electrical conductivity in multiphase epoxy-based MWCNT nanocomposites by means of an optimized clay content. Composites Science and Technology, 2013, 89, 69-76.	3.8	38
61	Healing efficiency of epoxy-based materials for structural applications. Polymer Composites, 2013, 34, 1525-1532.	2.3	37
62	Impact of the inclusion of hydrotalcite on the morphological and electrical characteristics of an epoxy-based CNT nanocomposite. , 2012, , .		0
63	Electrical properties of multi-walled carbon nanotube/tetrafunctional epoxy-amine composites. , 2012, , .		9
64	Influence of multiwall carbon nanotubes on morphological and structural changes during UV irradiation of syndiotactic polypropylene films. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 963-975.	2.4	20
65	Use of Hoveyda's Grubbs'™ second generation catalyst in self-healing epoxy mixtures. Composites Part B: Engineering, 2011, 42, 296-301.	5.9	55
66	Cure Behavior and Physical Properties of Epoxy Resin Filled with Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 2686-2693.	0.9	49
67	Effect of carbon nanotubes on the photo-oxidative durability of syndiotactic polypropylene. Polymer Degradation and Stability, 2010, 95, 1614-1626.	2.7	43
68	Cure behavior and mechanical properties of structural self-healing epoxy resins. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2413-2423.	2.4	45
69	Dependence of electrical properties of polypropylene isomers on morphology and chain conformation. Journal Physics D: Applied Physics, 2009, 42, 135405.	1.3	12
70	Mechanical and barrier properties of epoxy resin filled with multi-walled carbon nanotubes. Carbon, 2009, 47, 2419-2430.	5.4	150
71	Structural and morphological changes during UV irradiation of the trans-planar form of syndiotactic polypropylene. Polymer Degradation and Stability, 2008, 93, 176-187.	2.7	12
72	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. Journal of Materials Chemistry, 2008, 18, 567-572.	6.7	41

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73	Nanometric Dispersion of a Mg/Al Layered Double Hydroxide into a Chemically Modified Polycaprolactone. <i>Biomacromolecules</i> , 2007, 8, 773-779.	2.6	45
74	Morphology and Elasticity of Oriented Syndiotactic Polypropylene from Solvent Cast Films. <i>Crystal Growth and Design</i> , 2006, 6, 1703-1710.	1.4	4
75	Dynamic Mechanical Properties of Structural Self-Healing Epoxy Resins. <i>Applied Mechanics and Materials</i> , 0, 62, 95-105.	0.2	8